



# Fats and Oils: Oilseed Crashings, Production, Consumption and Stocks

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## Highlights

**November 2015** contained 30 days.

**December 2015** contained 31 days.

**January 2016** contained 31 days.

**February 2016** contained 29 days.

**Soybeans crushed** for crude oil was 4.64 million tons in February 2016, compared to 4.81 million tons in January 2016 and 5.01 million tons in December 2015. Crude oil produced was 1.80 billion pounds down 4 percent from January 2016 and down 7 percent from December 2015. Soybean once refined oil production at 1.31 billion pounds during February 2016 increased 6 percent from January 2016 but decreased 7 percent from December 2015.

**Canola seeds crushed** for crude oil was 137.6 thousand tons in February 2016, compared to 148.4 thousand tons in January 2016 and 165.8 thousand tons in December 2015. Canola crude oil produced was 114.4 million pounds down 9 percent from January 2016 and down 16 percent from December 2015. Canola once refined oil production at 116.1 million pounds during February 2016 was down 6 percent from January 2016 but up 20 percent from December 2015. Cottonseeds crushed for crude oil was 125.6 thousand tons in February 2016, compared to 131.6 thousand tons in January 2016 and 149.6 thousand tons in December 2015. Cottonseed crude oil produced was 38.4 million pounds, down 7 percent from January 2016 and down 18 percent from December 2015. Cottonseed once refined oil production at 44.0 million pounds during February 2016 was down 3 percent from January 2016 and down 19 percent from December 2015.

**Edible tallow** production was 77.3 million pounds during February 2016, down 13 percent from January 2016 and down 2 percent from December 2015. Inedible tallow production was 281.3 million pounds during February 2016, up 2 percent from January 2016 but down 2 percent from December 2015. Technical tallow production was 118.1 million pounds during February 2016, up 30 percent from January 2016 and up 25 percent from December 2015. Choice white grease production at 111.9 million pounds during February 2016 decreased slightly from January 2016 and decreased 5 percent from December 2015.

**Soybean Crushing, Production, Consumption and Stocks – United States:  
November 2015 - February 2016**

Item	November 2015	December 2015	January 2016	February 2016
<b>Crush</b>				
Soybeans crushed ..... tons	4,973,534	5,011,324	4,814,044	4,638,663
Crude oil produced ..... 1,000 pounds	1,901,853	1,929,027	1,864,887	1,795,866
Cake and meal produced ..... tons	3,655,750	3,669,213	3,539,791	3,425,236
For animal feed ..... tons	3,600,752	3,610,090	3,476,488	3,366,159
For edible protein products ..... tons	54,998	59,123	63,303	59,077
Millfeed produced ..... tons	251,965	262,266	256,884	241,078
<b>Refine</b>				
Crude oil processed in refining ..... 1,000 pounds	1,461,965	1,445,949	1,277,782	1,343,528
Once refined oil produced ..... 1,000 pounds	1,433,449	1,401,107	1,236,602	1,305,256
<b>Consumption</b>				
Crude oil removed for inedible use in processing ..... 1,000 pounds	90,941	112,270	(D)	102,581
Once refined oil removed for use in processing ..... 1,000 pounds	1,390,793	1,337,705	1,283,248	1,336,112
Removed for edible use in processing ..... 1,000 pounds	1,121,110	1,053,797	1,049,611	1,111,988
Removed for inedible use in processing ..... 1,000 pounds	269,683	283,908	233,637	224,124
<b>Stocks</b>				
Cake and meal on hand end of month ..... tons	342,962	270,421	368,063	330,057
Millfeed on hand end of month ..... tons	38,826	31,927	42,235	32,295
Crude oil on hand end of month ..... 1,000 pounds	1,545,181	1,576,849	1,724,459	1,880,437
Crusher ..... 1,000 pounds	750,725	778,789	890,950	976,800
Refiner ..... 1,000 pounds	267,049	304,192	341,226	371,500
Offsite ..... 1,000 pounds	527,407	493,868	492,283	532,137
Once refined oil on hand end of month ..... 1,000 pounds	420,677	395,661	386,338	400,798

(D) Withheld to avoid disclosing data for individual operations.

## Soybean Crushing – Regional: November 2015 - February 2016

Region	Soybeans crushed			
	November 2015	December 2015	January 2016	February 2016
	(tons)	(tons)	(tons)	(tons)
Illinois .....	580,134	587,325	514,261	546,695
Iowa .....	1,117,349	1,118,485	1,064,253	1,039,470
North and East <sup>1</sup> .....	1,186,723	1,105,040	1,119,325	1,073,727
North Central <sup>2</sup> .....	675,509	709,052	654,555	613,960
South, West and Pacific <sup>3</sup> .....	653,803	665,297	670,757	619,304
West Central <sup>4</sup> .....	760,016	826,125	790,893	745,507
Region	Crude oil produced			
	November 2015	December 2015	January 2016	February 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	224,717	232,176	201,801	212,594
Iowa .....	424,938	427,106	409,626	400,845
North and East <sup>1</sup> .....	449,049	425,422	428,442	412,264
North Central <sup>2</sup> .....	261,263	275,314	258,811	245,853
South, West and Pacific <sup>3</sup> .....	251,126	252,254	257,934	238,075
West Central <sup>4</sup> .....	290,760	316,755	308,273	286,235
Region	Crude oil stocks at crusher			
	November 2015	December 2015	January 2016	February 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
Illinois .....	87,395	91,653	126,799	155,453
Iowa .....	134,659	147,848	171,135	177,351
North and East <sup>1</sup> .....	203,856	198,288	226,634	268,007
North Central <sup>2</sup> .....	204,776	227,072	247,460	264,508
South, West and Pacific <sup>3</sup> .....	62,928	64,403	60,469	57,244
West Central <sup>4</sup> .....	57,111	49,525	58,453	54,237
Region	Cake and meal produced			
	November 2015	December 2015	January 2016	February 2016
	(tons)	(tons)	(tons)	(tons)
Illinois .....	418,043	423,765	366,355	398,369
Iowa .....	835,465	827,142	787,211	769,939
North and East <sup>1</sup> .....	870,005	816,299	822,623	791,416
North Central <sup>2</sup> .....	497,698	516,838	488,800	456,642
South, West and Pacific <sup>3</sup> .....	472,620	475,881	487,459	451,372
West Central <sup>4</sup> .....	561,919	609,288	587,343	557,498
Region	Cake and meal stocks			
	November 2015	December 2015	January 2016	February 2016
	(tons)	(tons)	(tons)	(tons)
Illinois .....	79,993	49,628	61,419	56,703
Iowa .....	64,965	45,944	69,767	65,265
North and East <sup>1</sup> .....	65,415	77,279	99,828	84,293
North Central <sup>2</sup> .....	23,946	23,431	46,726	33,701
South, West and Pacific <sup>3</sup> .....	65,399	35,663	39,001	30,537
West Central <sup>4</sup> .....	43,244	38,476	51,322	59,558

<sup>1</sup> North and East includes Indiana, Kentucky, Maryland, Ohio, Pennsylvania and Virginia.

<sup>2</sup> North Central includes Michigan, Minnesota, North Dakota and South Dakota.

<sup>3</sup> South, West, and Pacific includes Alabama, Arkansas, California, Georgia, Louisiana, North Carolina and South Carolina.

<sup>4</sup> West Central includes Kansas, Missouri and Nebraska.

**Selected Oilseed Crushing, Production, Consumption and Stocks – United States:  
November 2015 - February 2016**

Item	November 2015	December 2015	January 2016	February 2016
<b>Canola</b>				
Crush				
Seeds crushed ..... tons	128,925	165,762	148,424	137,631
Crude oil produced ..... 1,000 pounds	108,222	135,689	126,109	114,443
Cake and meal produced ..... tons	71,958	91,746	82,050	76,448
Refine				
Crude oil processed in refining ..... 1,000 pounds	99,481	102,980	130,855	117,484
Once refined oil produced ..... 1,000 pounds	98,094	96,540	123,760	116,146
Consumption				
Crude oil removed for inedible use in processing ..... 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing ..... 1,000 pounds	91,462	98,205	117,275	125,709
Removed for edible use in processing ..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing ..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month ..... tons	(D)	(D)	(D)	(D)
Crude oil on hand end of month ..... 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil on hand end of month ..... 1,000 pounds	55,944	72,843	78,205	80,031
<b>Cottonseed</b>				
Crush				
Seeds crushed ..... tons	135,714	149,644	131,639	125,631
Crude oil produced ..... 1,000 pounds	41,950	46,826	41,430	38,433
Cake and meal produced ..... tons	61,007	70,040	65,905	57,608
Refine				
Crude oil processed in refining ..... 1,000 pounds	50,854	54,603	46,077	44,601
Once refined oil produced ..... 1,000 pounds	49,486	54,020	45,555	43,977
Consumption				
Crude oil removed for inedible use in processing ..... 1,000 pounds	(D)	-	-	(D)
Once refined oil removed for use in processing ..... 1,000 pounds	44,338	44,042	45,270	50,123
Removed for edible use in processing ..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing ..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Cake and meal on hand end of month ..... tons	43,407	47,977	43,756	35,916
Crude oil on hand end of month ..... 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil on hand end of month ..... 1,000 pounds	47,772	49,144	51,087	47,434
<b>Coconut</b>				
Refine				
Crude oil processed in refining ..... 1,000 pounds	53,810	35,724	20,787	28,024
Once refined oil produced ..... 1,000 pounds	52,472	35,270	20,613	27,692
Consumption				
Crude oil removed for inedible use in processing ..... 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing ..... 1,000 pounds	71,061	50,075	52,177	51,563
Removed for edible use in processing ..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing ..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month ..... 1,000 pounds	85,510	99,332	85,607	74,844
Once refined oil on hand end of month ..... 1,000 pounds	30,517	31,137	29,325	23,529
<b>Corn</b>				
Refine				
Crude oil processed in refining ..... 1,000 pounds	(S)	(S)	(S)	(S)
Once refined oil produced ..... 1,000 pounds	(S)	(S)	(S)	(S)
Consumption				
Crude oil removed for inedible use in processing ..... 1,000 pounds	(S)	(S)	(S)	(S)
Once refined oil removed for use in processing ..... 1,000 pounds	(S)	(S)	(S)	(S)
Removed for edible use in processing ..... 1,000 pounds	(S)	(S)	(S)	(S)
Removed for inedible use in processing ..... 1,000 pounds	(S)	(S)	(S)	(S)
Stocks				
Crude oil on hand end of month ..... 1,000 pounds	(S)	(S)	(S)	(S)
Once refined oil on hand end of month ..... 1,000 pounds	(S)	(S)	(S)	(S)

See footnote(s) at end of table.

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**Selected Oilseed Crushing, Production, Consumption and Stocks – United States:**  
**November 2015 - February 2016 (continued)**

Item	November 2015	December 2015	January 2016	February 2016
<b>Olives</b>				
Crush				
Crushed for oil ..... tons	(D)	(D)	-	-
Virgin oil produced ..... 1,000 pounds	(D)	(D)	-	-
Refine				
Refined oil produced ..... 1,000 pounds	(D)	(D)	(D)	(D)
Consumption				
Refined oil removed for use in processing ..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for edible use in processing ..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing ..... 1,000 pounds	-	-	(D)	(D)
Stocks				
Virgin oil on hand end of month ..... 1,000 pounds	(D)	(D)	(D)	(D)
Refined oil on hand end of month ..... 1,000 pounds	(D)	(D)	(D)	(D)
<b>Palm kernel</b>				
Consumption				
Once refined oil removed for use in processing ..... 1,000 pounds	30,797	37,003	47,380	47,786
Removed for edible use in processing ..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing ..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Once refined oil on hand end of month ..... 1,000 pounds	122,672	124,857	132,027	130,760
<b>Palm</b>				
Consumption				
Once refined oil removed for use in processing ..... 1,000 pounds	175,526	171,269	159,978	163,634
Removed for edible use in processing ..... 1,000 pounds	169,454	163,525	141,461	158,179
Removed for inedible use in processing ..... 1,000 pounds	6,072	7,744	18,517	5,455
Stocks				
Once refined oil on hand end of month ..... 1,000 pounds	422,115	473,268	498,710	503,389
<b>Peanut</b>				
Refine				
Crude oil processed in refining ..... 1,000 pounds	26,563	(D)	(D)	16,988
Once refined oil produced ..... 1,000 pounds	24,371	(D)	(D)	15,943
Consumption				
Crude oil removed for inedible use in processing ..... 1,000 pounds	(D)	(D)	-	(D)
Once refined oil removed for use in processing ..... 1,000 pounds	23,256	(D)	(D)	13,589
Removed for edible use in processing ..... 1,000 pounds	(D)	(D)	(D)	13,589
Removed for inedible use in processing ..... 1,000 pounds	(D)	(D)	(D)	-
Stocks				
Crude oil on hand end of month ..... 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil on hand end of month ..... 1,000 pounds	(D)	(D)	(D)	(D)
<b>Sunflower</b>				
Refine				
Crude oil processed in refining ..... 1,000 pounds	39,719	41,254	31,581	40,456
Once refined oil produced ..... 1,000 pounds	38,630	39,688	30,134	38,377
Consumption				
Crude oil removed for inedible use in processing ..... 1,000 pounds	(D)	(D)	(D)	(D)
Once refined oil removed for use in processing ..... 1,000 pounds	30,517	36,787	29,391	45,851
Removed for edible use in processing ..... 1,000 pounds	(D)	(D)	(D)	(D)
Removed for inedible use in processing ..... 1,000 pounds	(D)	(D)	(D)	(D)
Stocks				
Crude oil on hand end of month ..... 1,000 pounds	68,834	53,659	61,465	53,347
Once refined oil on hand end of month ..... 1,000 pounds	34,294	33,464	50,523	35,608
<b>Vegetable foots, raw and acidulated</b>				
Refine				
Oil produced ..... 1,000 pounds	25,939	25,912	25,284	25,020
Consumption				
Oil removed for inedible use in processing ..... 1,000 pounds	28,933	25,722	22,150	(D)
Stocks				
Oil on hand end of month ..... 1,000 pounds	11,357	21,987	11,375	12,123

- Represents zero.

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

**Animal Fats and Oils Production, Consumption and Stocks – United States:  
November 2015 - February 2016**

Item	November 2015	December 2015	January 2016	February 2016
	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)	(1,000 pounds)
<b>Choice white grease</b>				
Production .....	116,647	117,902	111,920	111,901
Removed for inedible use .....	117,543	119,056	111,080	110,190
Stocks on hand end of month .....	10,715	9,253	10,395	11,793
<b>Fatty acids</b>				
Production .....	(S)	(S)	(S)	(S)
Stocks on hand end of month .....	(S)	(S)	(S)	(S)
<b>Feather meal</b>				
Production .....	98,132	90,908	93,070	98,228
Stocks on hand end of month .....	19,215	19,785	18,277	16,862
<b>Glycerin, crude</b>				
Production .....	(S)	(S)	(S)	(S)
Processed in refining .....	(S)	(S)	(S)	(S)
Stocks on hand end of month .....	(S)	(S)	(S)	(S)
<b>Glycerin, refined</b>				
Production .....	(S)	(S)	(S)	(S)
Stocks on hand end of month .....	(S)	(S)	(S)	(S)
<b>Lard</b>				
Production .....	32,776	29,998	28,209	35,325
Removed for use in processing .....	32,593	29,534	31,140	35,556
Removed for edible use in processing .....	(D)	(D)	(D)	(D)
Removed for inedible use in processing .....	(D)	(D)	(D)	(D)
Stocks on hand end of month .....	6,334	8,619	9,791	10,472
<b>Meat meal, meat and bone meal, and dry rendered tankage</b>				
Production .....	488,082	511,225	474,699	499,035
Stocks on hand end of month .....	58,432	57,972	54,360	45,642
<b>Other grease</b>				
Production .....	56,696	56,127	54,109	51,305
Removed for inedible use in processing .....	55,378	57,101	57,431	52,925
Stocks on hand end of month .....	(D)	(D)	(D)	(D)
<b>Poultry fats</b>				
Production .....	208,092	198,753	197,011	206,596
Removed for inedible use in processing .....	204,600	192,601	194,904	210,263
Stocks on hand end of month .....	18,535	22,056	21,459	17,594
<b>Poultry by-product meals</b>				
Production .....	250,461	236,453	245,249	260,162
Stocks on hand end of month .....	50,244	53,622	46,977	43,408
<b>Tallow, edible</b>				
Production .....	83,941	78,930	88,857	77,272
Removed for use in processing .....	84,042	86,352	93,843	76,987
Removed for edible use in processing .....	(D)	(D)	90,636	(D)
Removed for inedible use in processing .....	(D)	(D)	3,207	(D)
Stocks on hand end of month .....	23,250	16,667	12,969	15,634
<b>Tallow, inedible</b>				
Production .....	303,999	287,203	276,798	281,275
Removed for inedible use in processing .....	303,543	288,841	272,649	284,736
Stocks on hand end of month .....	92,336	90,866	87,804	84,676
<b>Tallow, technical</b>				
Production .....	105,338	94,100	91,109	118,065
Removed for inedible use in processing .....	111,404	102,820	99,877	126,167
Stocks on hand end of month .....	14,063	13,100	15,428	12,946
<b>Yellow grease</b>				
Production .....	146,001	170,566	147,716	160,255
Removed for inedible use in processing .....	141,867	166,779	164,031	155,555
Stocks on hand end of month .....	79,475	90,019	74,152	80,905

(D) Withheld to avoid disclosing data for individual operations.

(S) Insufficient number of reports to establish an estimate.

## Statistical Methodology

**Survey Procedures:** *Fats and Oils: Oilseed Crushings, Production, Consumption and Stocks* is part of the Current Agricultural Industrial Reports (CAIR) program. CAIR reports are administered under NASS's Census of Agriculture program. Response to CAIR surveys are required by law (Title 7, U.S. Code). Animal and vegetable fats and oils data are collected from all known facilities that crush, refine or render. Crushing facilities include processors that use either solvent extraction or continuous screw press.

The census universe was determined during operation profile interviews which were completed for each potential facility to identify the presence of rendering, oilseeds crushing, and crude oil refining in 2014.

In the Animal and Vegetable Fats and Oils survey questionnaire, facilities are asked for previous calendar month data on oilseed crushing, crude oil production, once refined oil production, rendering production, and end of month stocks. Facilities are mailed questionnaires with the options of completing the survey by mail or by Electronic Data Reporting (EDR). For surveys not received in a reasonable amount of time, telephone follow-up is conducted.

**Estimating Procedures:** Imputation is done for operations with non-response by using historical data and current data relationships. Data for reporting firms are added to estimates for non-reporting firms to obtain National totals.

**Revision Policy:** Data are revised the following month based on late reports or corrected data. Final figures are published in the annual summary of the following year.

**Reliability:** Survey data are based on a census of all known facilities and therefore, have no sampling variability. Monthly data can vary due to different firms reporting month to month. Survey data are also subject to non-sampling errors such as omissions and mistakes in reporting and in processing the data. While these errors cannot be measured directly, they are minimized by carefully reviewing all reported data for consistency and reasonableness.

## Information Contacts

Listed below are the commodity statisticians in the Environmental, Economics, and Demographics Branch of the National Agricultural Statistics Service to contact for additional information. E-mail inquiries may be sent to [nass@nass.usda.gov](mailto:nass@nass.usda.gov).

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